Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/07/2018 12:18 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126092	0	2.28	126136	2.25
Blue	F	SSC	125000	123307	-2	2.18	124298	2.15
Blue	E	FITC	15760	15522	-2	3.05	337	23.47
Blue	D	PE	25880	25262	-3	2.13	549	17.49
Blue	B	PerCP-Cy5-5	34075	34138	0	4.60	1054	23.75
Blue	A	PE-Cy7	22776	22744	-1	8.52	563	46.70
Red	C	APC	42488	41535	-3	2.89	1568	13.60
Red	A	APC-Cy7	24478	23973	-3	3.87	839	13.44
Violet	B	V450	6304	6137	-3	4.27	344	19.01
Violet	A	V500	26005	24667	-6	3.83	576	13.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20923	10.74	614	17	N/A	N/A	Pass
Blue	F	SSC	56105	1.51	583	28	N/A	N/A	Pass
Blue	E	FITC	57	79.55	566	10	0.0143	217	Pass
Blue	D	PE	115	57.86	560	11	0.1089	242	Pass
Blue	B	PerCP-Cy5-5	197	58.25	665	18	0.0067	74	Pass
Blue	A	PE-Cy7	106	119.00	719	22	0.0084	32	Pass
Red	C	APC	367	28.31	604	4	0.0189	90	Pass
Red	A	APC-Cy7	206	28.97	576	5	0.0044	926	Pass
Violet	B	V450	54	84.72	496	7	0.0208	1884	Pass
Violet	A	V500	86	50.54	511	5	0.0122	1403	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.59	-30.94	0.98
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	16.14	13.60 - 20.40	N/A	N/A	30.77	31.42	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12734

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments